# EVERY DAY SCIENCE

Effect of Southern and Western Competition Upon Eastern Farmers.

THE CONFECTIONERS' DISEASE.

A Company Organized to Supply Cold Air to Butchers.

SCIENTIFIC AND INDUSTRIAL NOTES

PREPARED FOR THE DISPATCH. Readers of THE DISPATCH who desire information on subjects relating to industrial development and progress in mechanical, civil and electrical engineering and the sciences can have their queries answered through this column.

It has been pointed out that although agriculturists the world over have excelled in numbers and physical strength, they have generally held a subordinate position, often that of serfs and slaves. To this fact the It has been pointed out that although agthat of serfs and slaves. To this fact the American farmer has hitherto been regarded as an exception. This exception, however, no longer exists. The farmer has not held his place to the estimation of the community; his social, financial and political power is gone, or materially lessened. His children leave the homestead and crowd the factory towns and cities. The farmer is growing poorer. In 1860 the agriculturists had one-half of the wealth of the country. They constituted one-half of the population. Between 1860 and 1880, as the records show. But during the same period the other half of the population added \$23,359,791,851, or five to one to theirs. Among the reasons for this, given by an Eastern agricultural anthority, may be quoted the following:
"In the first place, the farmer here cannot compete with the farmer in the West. There is very little grain raised within our borders now; potatoes don't bring any price; butter is selling in the dairy districts for 14 cents a pound, and other products are equally low. A few years ago Western butter was not wanted; to-day it has the cream of the trade in New York City. In a few years you will see the present owners of farms in many instances tenants on them."

Confectioners' Disease.

A disease peculiar to confectioners has been recently observed in France. It occurs principally in persons engaged in the manufacture of candied fruits and candied chestnuts. The affection is restricted to the nails of the hands, and usually first makes its appearance at the sides of the nails, the periungual portion becoming loosened and of unslaked lime and three bushels of sharp raised up, the nail losing its polish and becoming black. In more advanced cases an inflamed swelling appears at the base of the nail. The nail is rough, scaly, and in some cases broken in several fragments, but is never east off in its entirety. In the earlier forms of the disease very little pain is experienced, and the patient is able to go on with his work. The disease disappears as soon as the work is discontinued, although a deformed nail and a flat or bent terminal phalanx is apt to remain. In a large number of candy factories visited, not one was found in which there were not from one to three workmen suffering from the disease. The affection is caused by handling and working in the various substances employed in the manufacture of candies, among which are mallic, tartaric and citric acids. The hands are alternately in hot and cold liquids, and this is another fertile source of mischief It would be interesting to know whether this disease exists in this country, where the manufacture of candies is so extensive.

A company has just started in New York | room. Farnum is under arrest. City for supplying cold air to the butchers of Washington market. The supply is regulated by a cock. The air is cooled by the ammonia system, and its temperature enables the butchers to dispense with the ice, into which they formerly put their meat. The innovation is an excellent one on all accounts; it is more cleanly, more convenient, and less injurious to the flavor of the meat than ice. Probably, however, its principal recommendation is that it will not sow the seeds of decomposition and disease, as ice does invariably, more or less. It is probable that restaurants and saloons, and possibly summer resorts, in the city will be supplied with the refrigerated air as soon as the necessary pipes are laid.

Liberty Statue Unjustly Maligned.

At the recent congress of the American Ornithologist's Union, Jonathan Dwight, Jr., did a public service in reading a paper on "Birds That Have Struck the Statue of Liberty, Bedloe's Island, New York Harbor." Considerable uneasiness has been felt for some time on the subject of the sacrifice of migratory birds to the luring brilliancy of the Liberty and other lights, and many exaggerated statements have been made in the An alarm, however, is now dissipated by the fact, which Mr. Dwight places on record, that the whole number of birds killed this year at the Statue of Liberty is 690, which is considerably less than last year. Of the dead birds picked up this year, 60 per cent belonged to one species, the Maryland yellow-throats.

Portland Cement From Lime Mud.

Portland cement from lime mud, or the lime waste of alkali works, is the object of a newly started company in England. The company owns special patents for the making of Portland cement from caustic-lime mud, sugar-lime mud, etc. The process in-volves the treatment of the mud in such a manner as to extract the carbonate of lime, and the use of this product, instead of chalk, to mix with clay in the manufacture of hy-draulic cement. According to tests made, three paris of the lime-mud to one part of elay, by weight dry, makes an excellent quality of Portland cement; after 28 days test briquettes broke at 440 and 495 pounds per square inch.

The Hearing of School Children. The result of the examination of 9,000 school children in various cities of America

and Europe is that the average of pupils who have defective hearing is 26 per cent. There were twice as many with defective hearing among backward children as among forward children. Teachers are strongly put out of joint the nose of urged to keep in mind the liability of existance preserved. Egyptian with whom urged to keep in mind the liability of exist-ing impairment of hearing in backward antiquarians have made us familiar, and at children, and either give them nearer seats, the same time, fill a long-felt want. Mr. with their best ear toward the desk, or teach them in separate classes. All boxing of the ears of children should be stringently pro-

The Freezing Process in Tunneling.

The freezing process is being effectively used in the cutting of the St. Clair tunnel, under the Detroit river. Whenever water is met with, the freezing mixture is projected by pipes, and the water and friable debris become collision and the water and friable to persons who desire to have their relatives preserved in a genteel and enduring form, and enable them to keep the deceased within, or at a reasonable distance from their own homes. Mr. Edison may find a formidable rival in the man who proposes to construct vases, statuettes and other articles of vertue, out of solidified human ashes; still there are many who will nationally approach to be a second of the second of debris become solidified and, the work can be proceeded with. The tunneling is progressing at the rate of seven feet per day at each end. The shields are being used, in the hard blue clay, by digging out the cen-ter with picks, then pushing them forward 18 inches at a time by hydraulic rams.

The value of hand-groundes for the extinction of incipient fires has been abundantly demonstrated, and they are to be SICK HEADACHE\_Carter's Little Liver Pills. found in corners and corridors of many publie buildings and private bouses. There is, SICK READACHE\_Carter's Little Liver Pills. however, no necessity for paying fancy prices for this useful and indispensable ar-ticle. A perfect substitute for it is to be found in an ordinary bottle, filled with the solution. The solution is composed of one

pound of common salt, and one half pound quarts of water.

Electric Shot Hoist.

The electrical ammunition boist of Lieuenant Fiske, now in operation on board the Atlanta, is giving great satisfaction. The apparatus is called into play on all general quarters' calls, and hoists projecgeneral quarters' calls, and holds projectiles weighing 250 pounds from the bottom of the hatch to the gun deck in ten seconds. In no instance has the holds been taken down or given the slightest trouble. The introduction of the apparatus was strongly opposed by several naval officers, but its efficiency has now secured for it unqualified commendation. The hoist is now used on the Chicago, and is to be put on board all the new ships. COUNTRY ROADS A PUBLIC DISGRACE the new ships.

The Buffale in Australia. After the lamentable experience of this country, it is interesting to know that there

is a part of the world where the buffalo is not only not dying out, but increasing in numbers. Vast herds of these animals are

Steel Superseding Wood. In view of the wholesale deforesting of many parts of the country, it is satisfactory to know that steel is superseding wood in I saw such a bridge over the river Tyne, many industries. Of this one of the latest illustrations is a steel wheel for a carriage, and many of the leading carriage manufacturers say that it is a matter of only a short time when wooden wheels will be a curiosity, as good lumber for wheels is becoming so scarce that its use will, per force,

Luminous Paint.

The use of luminous paint is rapidly growing in this country. England has heretofore had the monopoly of a luminous paint, which it has sold at \$3 per pound. Other countries, however, have entered into the competition, and Austria is now producing a paint which is placed on the market at 50 cents per pound. It is said to be made from roasted oyster shells and sulphur.

To Prevent Steam on Glass.

A fact which is well worth knowing, especially in the winter, is that the formation of steam on glass is prevented by a thin coat of glycerine on both sides of the glass. This is very useful knowledge for sailors, and also for surveyors who have to use their instruments in foggy weather.

Weatherproof Mortar.

A mortar which, it is claimed, will stand in all sorts of weather, is made of one bushel sand, to which is added one pound of alum mixed with one pint of linseed foil. The alum will counteract the action of frost on

## LATE NEWS IN BRIEF

—According to the latest estimates, nine persons were killed and about 20 injured by Friday's cyclone in Beaufort county, S. C.

-Maria Hubbard, living at No. 828 Fulton street, Baltimore, was burned to a crisp yester-day. She was lighting a fire, and her clothing -Henry Weaver, who wrecked a Michigan Central train at Steubenville, Ont, pleaded guilty yesterday and was sentenced to seven

-Lafayette Hungerford, once well known throughout the country as a car builder, was found dead in bed at Rochester, N. Y., yester-day morning. He had been an invalid from creeping paralysis years' imprisonment. reeping paralysis.

—At a Catholic ball in Wellsville, N. Y.,
Thursday night, Eugene Farnum, who was intoxicated, caused a disturbance, and shot at
an officer who attempted to arrest him. The
bullets struck and fatally wounded James Higgins, a guest, and caused a panic in the ball-

Toom. Farnum is under arrest.

—The Missouri Pacific Company has closed a contract for the construction of 100 miles of railway from Deermot, Ark., on the Lettle Rock, Mississippi and Texas Hailway, a branch of the Iron Mountain road, to Monroe, La. Work will be begun at once. This will give the Iron Mountain a new southeastern connection.

—E. S. Bates, a young student from Boston, who was reading law at Cincinnati, committed suicide in his room in the Hotel Geneva, by inhaling gas through a paper tube as he lay in bed. It is said that he had led a fast life, and that when his money was gone, he had been filted by a woman upon whom he had layished much of his means.

much of his means.

—The examination of Phelps Perrin and E. W. Baker, charged with robbing the Iron Exchange Bank, of Hurley, Wis. of over \$40,000, has been adjourned until Monday. The detectives who made the arrost express perfect confidence that they will secure the conviction of the parties arrested and the return of a large part of the stolen money.

—President Evan Jones of the Farmers and

part of the stolen money.

—President Evan Jones, of the Farmers and Laborers' Union of America, said it was not unlikely that an alliance would be formed with the Knights of Labor, as the objects of the two organizations were practically the same. He had no official knowledge that the Knights would send a committee to the convention. The Farmers and Laborers propose to make war on trusts, monopolies and syndicates that control large tracts of land.

control large tracts of land.

—Baptiste Renaude, the French athlete, was seriously injured at New Orleans, Friday night, in diving from a tower. 180 feet high, into a net. While in the air he tried to turn a somersault and land on his shoulders in the net, but he struck on his back and injured his spline in such a manner as to cause complete paralysis of the lower limbs. He was at once removed to his lodgings and was attended by physicians, who decline to forecast the result of his injuries. decline to forecast the result of his injuries,

—Matthew Banks, colored, was hanged at
Elizabeth City, N. C., Friday, in the presence
of about 200 people, of whom only two were
negroes. Banks made no confession. When
asked if he had anything to say he replied;
"No, I want it over as soon as possible." Company E, First Regiment, formed a military
guard. Banks fell eight feet and died without
a struggle. The crime for which he was hanged
was an assault on Florence Swain, aged 15, in
July.

July.

—Assistant Secretary Tichenor has approved the action of Inspector George W. Baker in the case of the two Chinese laborers smuggled into the United States from Gretna, Canada, and captured by him at a point in North Dakota, nearly 30 miles from the boundary line. The men were arrested by direction of the inspector and taken before a United States Commissioner, and it being proved that they had entered the country illegally, they were taken across the boundary line and delivered to the foreign customs authorities. the foreign customs authorities

#### MANUFACTURED MUMMIRS. Edison Says That He Can Discount the Reg-

niar Egyptian Article. Drake's Magazine.]

Prof. Edison professes to be able to manufacture, by means of electricity, an article of mummy which will entirely Edison's theory is that a current of 1,000 voits will dry all the moisture out of a man's system. This is gratifying news to persons who desire to have their relatives

there are many who will patronize the mummy industry. If the great inventor would still further extend his great experiments and show how to electrify the living body—Congress for example—he may in time deserve the thanks of Boston and the nation at large.

SICE HEADACHE\_Carter's Little Liver Pills.

SICK HEADACHE\_Carter's Little Liver Pills.

Concerning the Business Interests of This Hive of Industry.

THE MOTTO OF A SUCCESSFUL MAN.

A Prominent Lawyer Talks About the Proposed River Market House.

Contrary to the expectations of some people, the bank failure has had a beneficial effect upon the real estate market. As confidence in other securities weakens, realty rises in favor. Thus what is one man's meat

is another man's poison. A prominent Pittsburg attorney, whose office is in the Bakewell law building, and who has traveled considerably in Europe, in said: "The idea is a good one, but I think it can be improved. In place of a market house I would cover both sides of the bridge with stores, handsomely fitted up, with glass fronts and every convenience for business. near Newcastle, England, and it struck me at once that something of that kind would fill a great want at Pittsburg, where ground for business purposes is scarce and dear. "I have made a mental calculation of the

cost and the income from such a structure, and am convinced that the rental from the stores would be sufficient to pay all expenses in about five years. The two cities would then have a valuable property free of cost. But if the cities should refuse to have anything to do with it, the building could be put up by private enterprise, no large amount of capital being required, and I am confident it would be a good investment. I think the matter is worth looking into further,"

Landlords should lose no more time in signing the agreement to change moving day, if they want it to go into effect next spring. If they hesitate much longer it will be taken as proof that they do not favor the change. Do they desire to assume that position?

That business generally possesses a substantial backbone was clearly demonstrated last week, when it successfully withstood the assaults of several conflagrations which wiped out millions of dollars' worth of property. Of course, these heavy losses had a depressing local effect, but their influence at large was scarcely feit. The great industries of the country are so well distributed that a disaster to any of them in one place only stimulates greater activity in another.

Locally, complications growing out of the attempts to get at the bottom of the Lawrence Bank failure, afforded about the only diversion from the usual run of events. Notwithstanding the intervention of a holiday, and the continuance of bad weather, all departments of regular trade were in a flourishing condition, as shown by the Clearing House reports. The bank exchanges for the week were \$1,058,825 16 larger than for the corresponding time last year, and for the month \$9,526,695 64 larger. There was great activity in real estate for the season and many important transactions were effected. On the whole, the business of the week was satisfactory and encouraging, showing that it rests upon a solid foundation, backed up by a good demand and abundant capital.

This week THE DISPATCH may be able to throw some light on the real estate movements on the Monongahela river front, referred to yesterday. In this connection it may be stated, without a violation of confidence, that one of the deals is about closed up.

The country roads are very little better than clay pits. They are avoided whenever possible. Westinghouse Electric. . . "Stuck in the mind" is an expression heard as often as any other in the rural districts. Four horses hitched to an empty wagon is not an unusual thing. City merchants have great difficulty in delivering goods to their country cus-tomers, and some of them have abandoned the practice altogether. In many cases physicians take "Walkers' Line" in visiting their patients rather than run the risk of delay if they should employ a carriage. Horses are suffering greatly from sore feet and legs. Farmers are unable to bring their produce to market. This adds to the cost of living in the city. Every interest is unfavorably affected.

How long is this to last? It was thought last winter's experience would be sufficient to in-suare a remedy. But this hope proved delusive. The roads are in a worse condition than ever before. This is a disgrace to the county, and not very creditable to our country cousing who should see to it that the road laws are strictly enforced. The additional taxes which would flow into the county treasury from the enhanced value of farm lands, which would follow a general and thorough system of road improvement would more than defray the cost But regardless of cost, the roads should be improved so as to keep up communication be ween the city and the country.

The Real Estate Record, conducted by Brother Lowry, is congervative and hopeful, as the following extract will show:

"The demand for residence property is brisk, and there is no difficulty in disposing of eligible sites at market prices. We have heard of a notions of the value of property, but in these cases purchasers are accommodated in other localities. Take the market all through, residence property is readily sold and at prices indicating steady appreciation.

"The promised transportation facilities have benefited holders wherever improvements are projected. People who have never paid any attention to acre property are 'dipping in,' surveyors' stakes have multiplied, and the market has been and will continue to be good just so long as the property changing hands is improved. The danger limit will not be reached until the proportion of property bought and held in expectation of appreciation by the momentum of business and activity of the real state market is twice as great as it is now. "The chief features of the market are all enouraging. In fact, the market was never so promising as it is now. Neglected portions of the city are investigated and their possibilities recognized. The more they are investigated the more genuine the interest manifested."

A number of Pittsburg capitalists are perfecting a project which may largely increase the number of small houses in the city. One of them was in Philadelphia recently taking notes, and came home with his head full of new ideas. If the scheme under consideration shall be onsidered practicable, operations will begin early next spring. The names of the gentle-men are withheld for the present, but they all stand high in business circles, which is a guar-antee that whateverthey undertake in the way

of building will be carried out. The following is displayed above the desk of a prominent business man on Grant street:

"Grit, makes the most successful mem.

The want of grit, the chump:

The men who win are those who can Lay hold, hang on, and hump." "Do you carry out this sentiment in your usiness?" he was asked. "I try to," was the reply. "I think it is the keynote to success. Energy rules the world. It is indeed more valuable than ability alone, but when both are combined in the same person failure is impossible. Lasy men sometimes succeed, but more by accident than anything else. Young men in starting out are too much disposed to trust to what they call luck. This puts them in a false position and handicaps them for life. They should remember that there is no excellence without labor. He who waits for fortune to come to him is almost cer-

tain to die a poor man, and he ought to. The greatest difficulties ultimately yield to perseering energy.
"The motto over my desk embodies a priniplewhich should be deeply impressed upon the nind of every young man at the outset of his uniness career. It points out the only road to

The lateness of the season is beginning to affect building operations. Last week only 23 permits were issued, against 39 the previous week. The cost of the improvements shows a propor-

ionate decrease. On the whole, the year about closing has winessed marvelous growth of the city. More houses were erected than ever before in the same length of time. Nearly, if not quite, 4,000 structures, mostly dwellings, have been built since last spring at a cest that falls little short of \$5,000,000.

little short of \$5,000,000.

But great as this growth is, it will be surpassed next year. Buildings will be put up in blocks, instead of singly or by twos and threes. The experiment of introducing and popular-izing flats will also be made. Men of energy and capital are preparing to play a part in this grand development, and they will push things. Pittsburg is growing out of her old clothes. She will be entirely too big for them in a few years. There will be houses for everybody. This will invite population. Cities are born to greatness as well as men. Pittsburg has always been great, but she is destined to be still

### GOOD FOR SATURDAY.

An Active Stock Binrket, With Prices About as Usual. The stock market was active yesterday, more business being transacted than on any previous Saturday for sometime. The sales were 570 shares, of which 300 were People's Pipeage and 250 Philadelphia Gas-the former going at a fractional advance over the last previously respeaking yesterday of the project for build-ing a market house on the Allegheny river, worth mentioning. Two hundred shares of it were sold short, at about the price of regular. There was very little demand for the other natural gas stocks, and they were all weak, as were the tractions. Bank, insurance, bridge were the tractions. Dank and raffroad shares were firm.

While the break in New York discouraged buying here, it had very little effect upon values, as a perusal of the figures given below will show.

BANK STOCKS. Exchange National Bank.
First National Bank, Pittsburg.
Fourth National Bank. 182 German National Bank
Masonic Bank
Mechanics' National Bank
Metropolitan National Bank
Metropolitan National Bank
Monongaheia National Bank
Odd Feliows' Savings Bank
Pittsburg Nat, Bank of Commerce
People's National Bank
Third National Bank
Tradeamen's National Bank
German National, Allegheny
Real Estate Loan and Trust Co
Second National, Allegheny
Third National, Allegheny an National Bank. INSUBANCE STOCKS. Allegheny Insurance Co.

Allegheny Gas Co. (Illum.).... Consolidated Gas Co. (Illum.)... Pittsburg Gas Co. (Illum.).... NATURAL GAS STOCKS OIL COMPANY STOCKS. Columbia Oil Co .... PASSENGER BAILWAY STOCKS. ttsburg, Allegheny and Manches RAILBOAD STOCKS.

GAS STOCKS.

Allegheny Valley.... Chartiers Railway... Chartiers Railway
Pitts., Youngstown & Ash. R. R. pref.
Pittsburg & Lake Erle.
Pitts, Junc. R. R. Co.
Pitts, Junc. R. R. Co.
Pitts, Cin. & St. Louis.
Pitts., Va. & Charleston R. R. Co.
Pitts. & Western R. R. Co.
Pitts. & Western R. R. Co.
Pitts. & Western R. R. Co. COAL STOCKS. N. Y. & Cleveland Gas Coal Co.... BRIDGE STOCKS. Ewalt (Forty-third st.)..... Northern Liberties. Pittsburg & Birmlugham Bridge. Point Bridge Suspension Bridge Co. (Sixth st.)....

MINING STOCKS. La Noria Mining Co..... Luster Mining Co...... Yankee Girl Mining Co. ELECTRIC LIGHT STOCKS.
Bid. 

Sales were: 300 shares People's Pipeage at 15%, 100 Philadelphia Gaz, s. o. 60, 30%, 100 z. o. 60, 30%, 50 regular at 30%, and 20 New York and Cleveland Gas Coal at 35. Andrew Caster sold \$8,000 Allegheny Valley

Andrew Caster sold \$8,000 Allegheny Valley 7-308 at 1132.

The total sales of stocks at New York yesterday were 260,721 shares, including: Atchison, 9,000; Delaware, Lackawanna and Western, 5,300; Denver, Texas and Ft. Worth, 4,300; Lake Shore, 8,000; Louisville and Nashville, 4,500; Missouri Pacific, 6,000; Northwestern, 4,800; Northern Pacific, preferred, 5,000; Reading, 17,300; Rochester and West Point, 6,000; St. Paul, 18,500; Union Pacific, 12,500; Western Union, 8,600.

IN GOOD CONDITION.

No Change in the Financial Situation-

Heavy Gains Over Last Year. There was no change in the local financial situation yesterday. There was a good demand for loans, which were made at 667 per cent, but checking and depositing were slightly be-low the average of the previous days of the week. Funds were in sufficient supply for busi-

ness purposes.

Manager Chaplin issued another very satisfactory Clearing House statement. It shows a gain of upward of \$1,000,000 over the corresponding week of last year. The gain over November, 1888, is \$9,026,035 64. This shows that all branches of trade are in a condition of great activity. The report in detail follows: changes ...

increase, \$774,000; specie, increase, \$339,500; legal tenders, increase, \$96,200; deposits, increase, \$105,400; circulation, decrease, \$23,500. The banks new hold \$1,871,850 in excess of the

Closing Bend Quotations Closing Bond Quetntieus.

U. S. 4s, reg. 125
U. S. 4s, coup 127
U. S. 4s, coup 127
U. S. 4s, coup 127
U. S. 4s, coup 105
U. S. Government and State bonds continue firm

NEW YORK—Clearings, \$147,508,112; balances, \$4,528,687. For the week—Clearings, \$626,608,260; balances, \$25,341,218. balances, \$25,341,218
Boston — Clearings, \$17,885,445; balances, \$2,153,850. Money, 6 per cent.
PHILADELPHIA—Clearings, \$13,283,441; balances, \$1,700,882. For the week — Clearings, \$61,151,263; balances, \$3,620,070.
BALTIMORE—Clearings, \$2,287,081; balances, \$284,688.

BALTIMORE—Clearings, \$2,257,081; balances, \$284,688.
CHICAGO—Bank clearings for the week and month just closed make a very satisfactory showing. The aggregate for the week was \$60,307,648, against \$58,307,352 for the corresponding week last year. Bank clearings for November were \$500,776,128, against \$272,073,134 for November, 1888. New York exchange was 25c discount. Bates on money continue at 6 per cent on call and 663 per cent on time loans.

ST. LOUIS—Clearings, \$3,542,216; balances, \$296,389. For the week—Clearings, \$16,222,060; balances, \$2,063,049. For the corresponding week last year—Clearings, \$16,020,575; balances, \$14,87,294. For the month—Clearings, \$84,020,747; balances, \$104,401,530. For November, 1888—Clearings, \$72,231,894; balances, \$5,096,378—an increase of 16.2 per cent.

LOWER AND WEAK.

Usually the end of the month brings about a bull movement in oil, but yesterday was an ex-ception. It was bearish at the opening, and

remained so all day, closing weak at next to the lowest point. The opening was 103%, high-est 103%, lowest 102%, closing 103%. There were several causes for this. The

break in stocks on the New York Exchange was one of them. Another was the indisposition of the traders to begin new deals at the end of the month, and with a holiday just before them. This left the market without sup-port. Still another cause was the scarcity of money for speculation. Added to these de-

money for speculation. Added to these depressing influences was the belief that the Standard was behind the slump, and that it would not cease its manipulations until a still lower level had been reached.

Considerable business was transacted during the day, accompanied by no small degree of excitement, but as it was mostly of the scalping sort for which there was a good opportunity, no large blocks changed hands, and the aggregate of the sales was smaller than on several previous days of the week.

A good deal was done in cash and January oil, the former at a fraction below and the latter from 1/2 to l cent above the regular option. The difference between the highest price on Monday and the lowest yesterday was sufficient to insure big profits on the bear side, and in many cases they were realized. The bulls are losing faith in statistics.

Features of the Market. Corrected daily by John M. Oamey & Co., 45 Sixth street, members of the Pittsburg Petro-leum Exchange.

verage alignments
verage charters
Refined, New York, 7,50c.
Refined, London, 614d.
Refined, Antwerp, 1746.
Refined, Liverpool, 6 1-16d.
Refined, Bremen, 7,50m.

A. B. McGrew & Co. quote: Puts, \$1 03

Oil Markets. TITUSVILLE, November 80.—Opened at \$1 05%; ighest, \$1 05%; lowest, \$1 43%; closed at \$1 03%. Bradford, November 90.—Opened at \$1 05%; closed at \$1 03%; highest, \$1 05%; lowest, \$1 08%. Clearances, 421,000 barrels. On. Cirry, November 30.—Opened at \$1 05%; highest, \$1 05%; lowest, \$1 05%; closed, \$1 03%. Sales, 447,000 barrels; clearances, 838,000 barrels; charters, 64,671 barrels; shipments, 60,844

barrels; runs, 53,245 barrels. New York, November 30.—Petroleum opened steady at \$1 054, but forced sales started a sharp decline to \$1 034. The market then railied alightly, but gave way again, and closed weak at \$1 034. Stock Exchange: Opening, \$1 054; highest, \$1 054; lowest, \$1 034; closing, \$1 034. Consolidated Exchange: Opening, \$1 034, highest, \$1 055; lowest, \$1 035; closing, \$1 035, bighest, \$1 055; lowest, \$1 035; closing, \$1 035, Total sales, \$18,000 barrels.

#### MOVEMENTS IN REALTY.

The Week Closes With a Number of Important Transactions. Charles Somers & Co., 313 Wood street, sold for Charles Somers to W. S. Lindaman and Harry H. Francis 70-foot front on Adelaids street, Thirteenth ward, near Herron Park. The price was \$35 per loot front, or \$2,250. This is considered cheap for property in that

I. M. Pennock & Son sold and settled a mortgage for \$1,400 on property in Braddock, three years at 6 per cent, and one for \$2,000, three years at 5 per cent, on property in the Eighteenth

Ewing & Byers, No. 93 Federal streets placed Ewing & Byers, No. 93 Federal streets placed a mortgage of \$1,000 for three years, at 6 per cent., on a farm on the Perryville plank road near Pine creek. They also placed a mortgage of \$800 for one year at 6 per cent. on property in the Second ward, Alleghenv.

Alles & Bailey, 104 Fourth avenue, sold for James Johnston a frame house and lot 20x100 feet, to a 40-foot street, on Bedford avenue, near Somers st., to Ferdinand Mueller. Consideration private.

near somers st., to Ferdinand audier. Consideration private.

L. O. Frazier, corner Forty-fifth and Butler streets, sold ict No. 80 in Robinson Bros.' plan, having a frontage of 20 feet on the west side of Adelaide street. Thirteenth ward, by 100 feet to a 20-foot alley, to John G. Brain for \$550.

W. C. Stewart, 114 Fourth avenue, sold for the Lloyd estate a lot 50x180 feet on the west side of the contract Shadwale to May P. side of Craig street, Shadyside, to Mrs. R. S. Klernan for \$4,500 cash. He also placed a mortgage for \$10,000 at 5 per cent on city business property, and one of \$2,000 at 6 per cent on a Westmoreland county farm. a Westmoreiand county farm.

John F. Baxter, 512 Smithfield street, sold to
N. A. Westby lot No. 337 Villa Park plan,
Brushton station, frontage of 50 feet on Wood
street by 150 to a 20-foot alley, for \$650.

ON A WINTER BASIS.

lar 22 feet, on rear of Forbes street, Fourteenth ward.

William Velte, two frame two-story dwellings, 18x22 feet, on Gross street, Twentieth ward.

Samnel L. Kirbin, frame two-story stable, 28x25 feet, on King street, Twenty-first ward.

H. Weissell, frame two-story slaughter house, 29x44 feet, on Second avenue, Twenty-third ward.

Howe, Brown & Co., from clad one-story shop, 50x56 feet, on Pike street, Tenth ward.

Howe, Brown & Co., ironclad one-story shop, 60x25 feet, on rear of Eighteenth street, Tenth Ward.

Ward. J. P. Speer, brick two-story addition to dwelling, 48x8 feet, on Craft avenue, Fourdwelling, 4838 feet, on Crait avenue, Four-teenth ward.

H. Dumhoff, frame one-story shop, 14x20 feet, on Liberty street, Sixteenth ward.

Mrs. Logan, frame two-story stable, 24x28 feet, on Hampton street, Nineteenth ward.

Bobert Bruce, frame two-story dwelling, 20x32 feet, on Bond street, Twentieth ward.

William Lewis, frame two-story dwelling, 20x32 feet, on Salisbury street, Twenty-seventh ward.

ward.

James Cain, frame one and a half-story stable, Ilx22 feet, on Tustin street, Fourteenth stable, Ilx22 feet, on Tustin street, Fourteenth ward.

Edward Fillinger, brick one-story store, 18x26 feet, on Main street, Sixteenth ward.

Mrs. James Smith, two brick two-story and attic dwelling, 40x34 feet, on Reiter street, Nineteenth ward.

N. J. Braden, brick two-story and attic dwelling, 21x40, feet, on Reiter street, Nineteenth ward.

John Miller, frame two-story dwelling, 21x32 feet, on Breedshill street, Nineteenth ward.

Harriet S. Shaner, two frame two-story and attic dwelling, 21x45 feet, on Murtland avenue, Twenty-first ward.

F. Poke, frame two-story dwelling, 20x30 feet, on Krauner way, Thirty-second ward.

Henry Poke, six frame two-story dwellings, 16x32 feet, on Shanley street, Thirty-second ward.

DOWN WITH A RUSH.

Heavy Liquidation Takes All the Strength Away From Ballroad Shures-The Trusts Promisent in the Downward Movement.

NEW YORK, November 30.-The stock marweak, and prices are materially lower all over the list than last evening, notwithstanding the favorable bank statement. The bears were extremely active and aggressive, and large amounts of shorts were put out, but the heaviest liquidation seen for a long time was indulged in, and in a few stocks prices came down with a rush. The Trusts were again prominent in the downward movement, and while Chicago Gas was forced off still further it became comparatively firm in the last hour, and was supported at from 1 to 2 per centabove the lowest figure. Sugar took its place however, and long stocks came out liberally, and before the close of the session 50 was reached,

periors the close of the session of was reached, against 65% last evening.

The most important movement in the rail-road list, however, was in Cleveland, Columbus, Cincinnati and St. Louis, and from duliness it sprang into activity, while its price declined as rapidly as that of Sugar, and it reached 65% rapidly as that of Sugar, and it reached 68% before the downward movement was checked, though a partial recovery took place in the last few minntes. The drop was occasioned by the throwing over of a block of stock held in a broker's office for the account of an operator who is in financial difficulties. Among the other stocks of the regular list the declines from the best prices gauerally ranged up to 2 per cent, the most conspicuous heing the 3 hesapeake and Obio and San Francisco, the first preferred of the latter selling at 88 against 106 two days ago.

The railroad list was quite strong for the first hour, but many operators failed to respond to calls for more margin, which prediptated upon the market a food of long stock toward the close, breaking the market, though the

tions. Chicago Gas was first in point or act ity with 40,315, and Sugar Trust next with 160. The entire list is lower, and Sugar is do \$\overline{\overline{\chicket}}\$, Cieveland, Columbus Cincinnsia and Louis 2½. Chicago Gas 2, Teanesses Coal Chesapeake and Ohio, second, preferred, Jersey Central 1½. Denver, Texas and F Worth 1½, Wisconsin Central 1½, St. Paul & Burlington and Chinay I next cent each. R Worth 1% Wisconsin Central 1% St. Paul and Burlington and Quincy I per cent each. Rail-road bonds failed to respond to the activity, and excitement in stocks and the dealings of the two hours reached only \$611,000, while the fluctuations were insignificant as a rule, and no tendency in either direction could be noticed, the final changes being about equally divided between gains and lesses. Northwestern debentures rose 2%, to 111%; Denver and Rio Grande fives 2, to 58. Sales for the week were \$0.511,000, against \$7.597,000 for last week.

The following table shows the prices of active stocks on the New York Stock Exchange yesterday. Corrected daily for The Disparch by Whitney & Stephenson, oldest Pittaburg Interprets of New York Stock Exchange, 57 Fourth avenue:

Am. Cotton Oil. 152.
And Cotton Oil. 25.
And Francis 13.
Anadian Paulio 13.
Anada Southern 54%
Antral of New Jersey 1196
Entral Pacifit. ake & Uhio ... 28% & Quincy.....104% & St. raul... 69% do., Kan. & Texas.... 10%

St. L. & San Fran .... St. L. & San Fran pf., St. L. & Ban F. 1st pf., Texas Pacific. Wabash preferred.... Western Union.... Wheeling & L. Z.... Sugar Trust.... National Lend Trust... Chicago Gas Trust....

WALL STREET.

\*Ex-dividend.

Some Well Digested Pointers for the Bone fit of Local Investors. By John M. Oakley & Co.'s Private Wire.] NEW YORK, November 30,-The bears are in

control. They have made the money this fall, and are pressing their advantage. Naturally they are in the minority, but they are aggressive, and their purses are full of spoils. They have confidence now in their own judgment, while the bulls are dismayed at the heavy losses and unexpected series of market catas-trophes. Sugar got a severe break to-day of 7 trophes. Sugar got a severe break to-day of 7 points, from top to bottom. Cleveland, Columbus, Cincinnati and St. Louis broke 4½ points, and Chicago Gas 3 per cent. Early in the session there was a disposition to cover by room traders, who play for small profits, and who like to close their books every Saturday, if not every day. The rally was feeble and short-lived, and it soon gave way to general and extreme weakness, which manifestly was due to compulsory liquidation or fright.

The Reading statement for October did not help matters any, as it showed a loss of \$108.000 on the railway business. The Coal and Iron Company make no report, but from the well-known depression and duliness in the coal trade it is fair to assume that its figures would not make a satisfactory showing. Reading stock is supported with great tonactly by a bull poof, which thinks there is a big short interest in the stock, but we believe it will break-early

Business of the Building Inspector Beginning to Fall Away.

The fall building boom is about over. The season is too late to begin new contracts, but preparations will go forward for next year. The number of permits issued last week was 23, against 39 the previous week, a decrease of 16. The cost of the improvements is estimated at \$24,180, showing that they were all small. The following is the list:

Mrs. Cora Crum, frame one-story stable, 1244 feet, on Collins avenue, Nineteenth ward.

Ireland & Hughes, two iron-clad one-story machine shops, \$8x\$ feet, and \$6x\$ feet, on which ward.

Joseph Exler, frame one-story stable, 18x40 feet, on Heary street, Fourteenth ward.

Miggie McDonnell, frame two-story dwellings, 18x22 feet, on Gross street, Twentieth ward.

William Velte, two frame two-story dwellings, 18x22 feet, on Gross street, Twentieth ward.

William Velte, two frame two-story stable, 28x23 feet, on King street, Twentieth ward.

William Velte, two frame two-story stable, 28x23 feet, on King street, Twenty-first ward.

Howe, Brown & Co., fron clad one-story shop, 50x50 feet, on Pike street, Tenth ward.

Howe, Brown & Co., fron clad one-story shop, 50x50 feet, on Pike street, Tenth ward.

Howe, Brown & Co., fron clad one-story shop, 50x50 feet, on Pike street, Tenth ward.

Howe, Brown & Co., fron clad one-story shop, 50x50 feet, on Pike street, Tenth ward.

Howe, Brown & Co., fron clad one-story shop, 50x50 feet, on Pike street, Tenth ward.

Howe, Brown & Co., fron clad one-story shop, 50x50 feet, on Pike street, Tenth ward.

Howe, Brown & Co., fron clad one-story shop, 50x50 feet, on Pike street, Tenth ward.

Howe, Brown & Co., fron clad one-story shop, 50x50 feet, on Pike street, Tenth ward.

Howe, Brown & Co., fron clad one-story shop, 50x50 feet, on Pike street, Tenth ward.

Howe, Brown & Co., fron clad one-story shop, 50x50 feet, on Pike street, Tenth ward.

Howe, Brown & Co., fron clad one-story shop, 50x50 feet, on Pike street, Tenth ward.

chigh Valley.

BUSINESS NOTES.

DECEMBER 15 is the date fixed for the Cen-

tral Traction road to begin operations.

First insurance people are looking for a business boom as the result of the big fires last week. Stock brokers have no cause for gru Business is 50 per cent better than at this tim last year, but the figures are not so steep.

In explaining the slump in New York stocks a broker said yesterday: "Values were too high and had to come down. The drop was purely a business matter." ABOUT 2,800 miles of main for carrying nat ural gas have now been laid in this cou and the total capital invested in the busi exceeds \$50,000,000.

Nor a word was spoken on Fourth avenue yesterday on the subject of the Lawrence Bank failure. Small things are soon forgotten in this busy community. BUSINESS in mortgages was rather sizek last week, although there was no scarcity of money. Capitaliststare not inclined to do much until the year's business has been closed up.

THE Co-operative Glass Company, of Heaver Falls, has decided to rebuild its factory which was burned. The building will be iron-clad, and contain two furnaces of 19 pots each. MR. G. D. Simon is preparing to build 12 houses on Simon avenue, in the boulevard plau. These houses will all be very attractive residences, fitted up with every desirable convenience, and involve an outlay of about \$60, THE Titusville Iron Company has decided to increase the capital to \$160,000. Extensive im-provements will be made in the spring, includ-ration of a new machine department

ing the erection of a new machine of and an addition to the boiler di Much new machinery will be put in. THE committees from the Suspension bridge and the Pittsburg, Allegheny and Manobeste Railway met yesterday to compare figures of the contemplated change in the bridge by which the traction road can grees. As neither side was quito ready to submit final propositions, an adjournment took place to Wednesday of this week.

MARKETS BY WIRE.

Corn Still Panicky, With a Sharp Break in Prices - Wheat Unsettled - December Bown and May Up-Pork

is Rather Ogiet. CHICAGO—Only a moderate demand was reported in wheat transactions to-day, and the market ruled steady without any important changes either here or at other markets. B sides the usual local business there were some few outside orders received, including some buying orders again for May delivery on for-eign account. Foreigners of late have taken fair quantities of May wheat. A good share of the business of May wheat. A good stars of the business to-day was in the way of changing, closing out December and buying May. Prices covered a range of only 1/201/c, and the closing was 1/20 lower for December and 1/20 higher for May than closing prices of yesterday. European market advices were generally in-dicative of a firm feeling and in some instances

slightly botter prices quoted. The export clearances were large of flour and mederate of wheat. Estimates on the visible supply were for an increase of about 1,400,000 to 1,600,000

com-linere was a very nerrous and unsettied feeling among operators in corn when the
market opened to-day. After the excitement
attending the sharp advance it was uncertain
what course prices would take to-day. There
was not a great deal doing during the first hour
of the session. November operators giving December their attention. The first trade in November was reported at 80c, the next down to
50c, afterward 52 was paid, when the offerings
were rather more liberal, and scattering trades
were made at the decline down to 32c, and the
month closed at 30c.

LIVE STOCK MARKETS. Stock Yarda. OFFICE OF PITTERURG DISPATCH, }
SATURDAY, November 30, 1889. CATTLE -- Receipts, 600 head; shipmen

Hogs-Rocates, 1,600 hashr snipments, 200 head; market active; Philadelphias, 55 568 4 05; Yorkers, 39 5565 10; 10 cars of hogs shipped to New York to-day.

SHEED-Receipts, 400 head; shipments, 500 head; market steady; prime, 5565 30; good, 34 0064 50; fair, 35 2564 25; common, 4268; lambs, 5466 25.



"Where did you get your dictatorial ways, anyhow?" asked Honpeck. "From you, while I was your typewriter," retorted Mrs. H .- Pack.

When baby was sick, we gave her Castor When she was a Child, she cried for Castor When she became Miss, she clung to Cast When she had Children, she gave them Ca

BROKERS-FINANCIAL

issue travelers credits through Messra.
forgan & Co., New York, Passports pre A RAPID ROAD TO RICHES—
STOCK SPROULATION.
\$60 to \$60,000 margin—16 shares upward.
Address

WHITNEY & STEPHENBON,

JACKSON, SPRAGUE & CO., noi-91-5u B New at, N. Y. \$5 TO SIM JUDICIOUSLY INVESTED in stock options or margins in Wall at leads to STEVENSON & CO., Brokers,

COMMISSION, hanges. Loans made at low mass of interest stablished 1876. & Weskiy Circuint FREE. A. R. CHISHOLM & CO., 6t Broadway, M. Y. mhis-W-su

JOHN M. OAKLEY & CO., BANKERS AND BROKERS.

stocks, Bonds, Grain, Petrole Private wire to New York and Chicago 6 SIXTH ST., Pittsburg.

POLICE DUTY.

Dangers Incurred by the Guardians of the Peace.

INTERVIEW WITH AN OFFICER

Probably one of the most popular office on the Pittsburg police force is Mr. Charles Gallant, whose beat is Grant and Wood streets, and Fifth and Sixth avenues. Mr. Gallant has been on the force about two years, and is well known throughout the city, as a brave and efficient officer. The writer had the pleasure of calling on Mr. Gallant at his home, No. 15 Montour street, and during the visit, he related several anecdotes of personal experience while on the force, a portion of which is given be-

"It was about three years ago that I first noticed my trouble. Continued exposure to all kinds of weather, had often given me all kinds of weather, had often given a colds, but I paid no particular attention them. Gradually, however, I noticed a head was stopped up. First one nost would be a dull pain in my forehead. Meyes would get dim and watery. The would be sounds like ringing or rearing my ears. The trouble extended until a throat and chest were affected. There was continual dropping back of matter from a head into my threat. I would be constant hawking and hemming to clear it of it mucus and phlegm. It became raw and iffamed. At one time my throat was so so that I could not partake of any solid for Sharp pains would take me in the charaming through to the shoulder blades. running through to the shoulder blades.



Mr. Charles Gallant, 15 Montour Street At last I had to give up. hacking cough got hold of me. were the worst. I could not matter that would drop down fro to my throat almost choked me, sweats came on and weakened me is When I would get up in the mo would feel weak, nick and miser had no appetite. I would feel han when I sat down to the table I could it.

Mr. Gallant can be seen at the affirmations, and this statement easily varied. VERY PLAIN TALK Showing the Outline of a Reute Which Offen Followed.

able that that person invariably losses and loses strength, showing that the ution is interfered with.

In such a case the sufferer should at a be piaced under influences that will rest the defective natrition and tend to invisit the desective form.

Trested by Mail.

DOCTORS

Are located permanently at

66 SIXTH AVE. Where they treat with success all our Office hours - 9 to H A. M. 7 to 5 S. M. T.

Consultation, St. Address all mall to

DES COPELAND & SLATE

& Strik sys, Pitterery 2